

426/14

1890

English Patent 13,092 of 1890. to Leopold Hoff.

Complete Specification.

I, Leopold Hoff of 36 Schaunburgerstrasse, Hamburg, in the Empire of Germany, Manufacturer, do hereby declare the nature of this invention and ~~the~~ in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:-

The object of this invention is to produce a beverage having all the advantages peculiar to beer without possessing the disad-

vantage of beer for those persons to whom the consumption of alcohol or of fermenting germs is determined or objectionable.

The new beverage free from alcohol and fermenting germs is made by the following method.

Beer of good quality is boiled down in an open vessel or in a distilling vessel until the alcohol contained therein is completely evaporated. The temperature of boiling will doubtless cause all fermentating germs or any other micro-organism contained in the beer from its brewing or otherwise to be killed. The liquid thus obtained will be poured into an apparatus for aerating artificial mineral waters and there aerated by the addition of washed carbonic acid gas under pressure. Should it be considered necessary the liquid may be diluted to the volume which it had previous to its evaporation or to any other degree of dilution. The liquid charged with carbonic acid is bottled straight from the apparatus as aerated waters are, to be sent out as a beverage.

According to the use to be made of the beverage, it may be provided in the mineral water apparatus with a greater or less quantity of added matters which have principally the purpose to alter or influence the taste and aroma. Such additional ingredients may include aromatic substances non injurious bitters, sweetening substances extracts of fruits and the like.

In carrying out the invention I employ any suitable still with condensing apparatus and place in the still the beer to be treated which beer has been made by any of the known methods of brewing.

The beer is then heated sufficiently to drive out the alcohol, but any water that is driven off is condensed so that it falls back into the still. By the subsequent aeration of this beer previous to its bottling all usual flavour is returned to the beer except that of the alcohol.

Previous to bottling if any other flavouring matter is desired a suitable proportion may be added. The improved non alcoholic

195, ALCOHOL.
Beer.

beer so made is known as "Maltoselzia".

It is obvious that the process may be conducted in such a way that the amount of alcohol may be reduced instead of being entirely removed without departing from this invention.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be formed I declare that what I claim is

The method for producing non-alcoholic, or substantially non-alcoholic beer or beverage consisting in distilling the whole or part of the spirit from any beer made in the usual way and subsequently aerating with carbonic acid gas the non-alcoholic beer so formed substantially as described..